

PATENT COOPERATION TREATY

From the

INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT

To:

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NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT

(PCT Rule 71.1)

22 SEP 2004

Date of mailing
(day/month/year)

20.09.2004

Applicant's or agent's file reference
JNR/P33090

IMPORTANT NOTIFICATION

International application No.
PCT/EP 03/08646

International filing date (day/month/year)
04.08.2003

Priority date (day/month/year)
06.08.2002

Applicant
GLAXO GROUP LIMITED et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed inventions is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the international preliminary examining authority:



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PATENT COOPERATION TREATY

REC'D 21 SEP 2004

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference JNR/P33090	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/PEA/416)	
International application No. PCT/EP 03/08646	International filing date (day/month/year) 04.08.2003	Priority date (day/month/year) 06.08.2002
International Patent Classification (IPC) or both national classification and IPC B05B11/00		
Applicant GLAXO GROUP LIMITED et al.		



- This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 5 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the opinion
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 12.02.2004	Date of completion of this report 20.09.2004
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized Officer Eberwein, M Telephone No. +49 89 2399-7260 

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. **PCT/EP 03/08646**

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17):*

Description, Pages

1-11 as originally filed

Claims, Numbers

1-44 as originally filed

Drawings, Sheets

1/5-5/5 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
☐ the language of publication of the international application (under Rule 48.3(b)).
☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority in written form.
☐ furnished subsequently to this Authority in computer readable form.
☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
☐ the claims, Nos.:
☐ the drawings, sheets:

**INTERNATIONAL PRELIMINARY
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5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	
	No: Claims	1-40,44
Inventive step (IS)	Yes: Claims	
	No: Claims	41-43
Industrial applicability (IA)	Yes: Claims	1-44
	No: Claims	

2. Citations and explanations

see separate sheet

Novelty, inventive step, and industrial applicability (Item V)

Claim 1

1. From DE10017438 (D1) (see figure 1) there is a dispenser for dispensing a metered volume of a fluid product known having:
 - (a) a storage chamber (2) for storing the fluid product in;
 - (b) an outlet orifice (13) through which the fluid product is dispensable from the dispenser; and
 - (c) a dispensing mechanism (3, 31) adapted in use to dispense a metered volume of the fluid product from the storage chamber (2) through the outlet orifice;

wherein the dispensing mechanism has:

- (i) a metering chamber (7) which is adapted in use to provide the metered volume of the fluid product for discharge through the outlet orifice (13), the metering chamber (7) being movable between:

a first volumetric state, in which the metering chamber (7) has a first volume greater than the metered volume and is in fluid communication with the storage chamber (2) such that, in use, an excess volume of the fluid product consisting of the metered volume and a surplus volume is transferable to the metering chamber (7) from the storage chamber (2), and

a second volumetric state, in which the metering chamber (7) has a second volume less than the first volume and no less than the metered volume and is isolated from the storage chamber (2) such that, in use, the metered volume of the fluid product is contained in the metering chamber (7) ready for dispensing through the outlet orifice; and

- (ii) a bleed arrangement (22) adapted in use to bleed the surplus volume of the fluid product from the metering chamber (7) as it moves from the first volumetric state to the second volumetric state.

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP 03/08646

2. Furthermore the features of claims 2-40 and 44 are known from DE10017438 (D1).
3. Thus, it appears that the subject-matter of claims 1-40 and 44 is not new as required by Article 33(2) PCT.

Claims 41-43

4. The features from claims 41-43, however, do not seem to constitute a difference which could lead to subject-matter involving an inventive step according to Article 33(3) PCT.

Certain defects in the international application

5. Independent claim 1 is not drafted in the two part form specified in Rule 6.3b) of the PCT.
6. Reference numerals are missing after the technical features of the claims (see Rule 6.2b) and PCT Preliminary Examination Guidelines, Chapter III, 4.11).
7. The description does not cite a document reflecting the closest background art (see Rule 5.1a) ii) PCT).